

L Number	Hits	Search Text	DB	Time stamp
1	132370	(FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 13:56
2	2967	((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 13:57
3	112	((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:01
4	26	((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:10
5	86	((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer)) not ((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer).clm.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:10
6	6	((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer)) not ((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer).clm.)) and (metal adj layer).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:12

7	80	((((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer)) not (((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer).clm.)) not (((FUKUZAWA near1 HIDEAKI).in. (KAMIGUCHI near1 YUZO).in. (KOUJ near1 KATSUHIKO).in. (NAKAMURA near1 "SHIN-ICHI").in. (IWASAKI, HITOSHI).in. (SAITO near1 KAZUHIRO).in. (FUKE near1 HIROMI).in. (YOSHIKAWA near1 MASATOSHI).in. (HASHIMOTO near1 SUSUMU).in. (SAHASHI near1 MASASHI).in.) and (M\$1R magneto magneto\$1resistive magneto\$1resistance G\$1M\$1R spin\$1valve\$1 (spin adj valve))) and (conductive adj layer).clm.)) and (metal adj layer).clm.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:21
8	2	6338899.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:24
9	609476	(M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus))).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:29
10	8639	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus))).ti,ab,clm.) and ((conductive metal) adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:30
12	96	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus))).ti,ab,clm.) and (\$conductivity adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:30
13	8708	(((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus))).ti,ab,clm.) and ((conductive metal) adj layer)) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus))).ti,ab,clm.) and (\$conductivity adj layer))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:30

14	1144	((((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((conductive metal) adj layer)) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (\$conductivity adj layer))) and (shield and gap)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:31
15	173	((((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((conductive metal) adj layer)) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (\$conductivity adj layer))) and (shield and gap)) and @PY<1999	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:37
16	39	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (synthetic adj pinned)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:39
17	8521	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((pinned reference fixed) same (anti\$1ferro\$1magnetic\$coupl\$3 synthetic Ru ruthenium coupling anti\$1parallel (anti adj parallel) AFC))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:39
18	171	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (synthetic adj (magnetic fixed reference sense sensing free pinned))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:41
19	8575	((((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((pinned reference fixed) same (anti\$1ferro\$1magnetic\$coupl\$3 synthetic Ru ruthenium coupling anti\$1parallel (anti adj parallel) AFC))) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (synthetic adj (magnetic fixed reference sense sensing free pinned)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:41
20	1075	((((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((pinned reference fixed) same (anti\$1ferro\$1magnetic\$coupl\$3 synthetic Ru ruthenium coupling anti\$1parallel (anti adj parallel) AFC))) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (synthetic adj (magnetic fixed reference sense sensing free pinned)))) and (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((conductive metal) adj layer)) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (\$conductivity adj layer)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 14:58

21	87	((((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((pinned reference fixed) same (anti\$1ferro\$1magnetic\$coupl\$3 synthetic Ru ruthenium coupling anti\$1parallel (anti adj parallel) AFC))) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (synthetic adj (magnetic fixed reference sense sensing free pinned)))) and (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((conductive metal) adj layer)) (((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and (\$conductivity adj layer)))) and @PY<1999	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 15:27
22	51	((M\$1R G\$1M\$1R T\$1M\$1R T\$1M\$1J magneto\$1resistive magneto\$1resistance (magneto adj resistive) (magneto adj resistance) (magnetic adj (head element sensor spin spin\$1valve\$1 apparatus)))ti,ab,clm.) and ((roughness R?sub.a) near4 gap)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/06 15:40
23	2	("5278716" "4789910").pn.	USPAT	2004/10/06 15:41
24	7	("5843589" "5748399" "5701223" "5701222" "5583725" "5465185" "5408377").pn.	USPAT	2004/10/06 15:44